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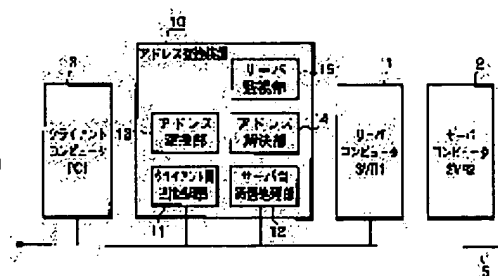
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(54) LOCAL AREA NETWORK SYSTEM AND ADDRESS CONVERTER FOR THE LOCAL AREA NETWORK SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To enable switching of a computer to be used without associating names of computers with logical addresses.

SOLUTION: In the case that a server computer 1 is at a halt, an address converter 10 takes over an IP address of the server computer 1 and receives an IP packet for a service request that is sent to the server computer 1 by a client computer 3 in place of the server computer 1. The address converter 10 converts a destination IP address of the IP packet into an IP address of the substitute server computer 2 and sends the packet. The address converter 10 that receives an IP packet for a service provision from the server computer 1 converts a sender IP address of the IP packet into an IP address of the server computer 1 and sends the packet to the client computer 3.



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